

Title (en)
ASSEMBLY COMPRISING A FILTER HOUSING AND AT LEAST ONE FILTER CARTRIDGE

Title (de)
ANORDNUNG MIT EINEM FILTERGEHÄUSE UND MIT MINDENSTENS EINER FILTERPATRONE.

Title (fr)
ENSEMBLE COMPRENANT UN BOITIER DE FILTRE ET AU MOINS UNE CARTOUCHE FILTRANTE

Publication
EP 1554027 A1 20050720 (EN)

Application
EP 03759075 A 20031023

Priority
• NL 0300717 W 20031023
• NL 1021728 A 20021023

Abstract (en)
[origin: WO2004050212A1] The invention relates to an assembly comprising a filter housing and at least one filter cartridge. The at least one filter cartridge is tubular, comprises a tube wall provided with filter means and comprises a central discharge channel with a discharge connection for discharge of filtered medium. The tube wall comprises filter means through which the medium to be filtered is able to flow transversely to the tube wall. The filter housing comprises a filter chamber, surrounded by a sidewall, in which the at least one filter cartridge is accommodated with the longitudinal direction parallel to the sidewall. The filter chamber has at least one outlet per filter cartridge to which the discharge connection of the respective filter cartridge is connected. The sidewall of the filter chamber is provided with at least one inlet for feeding in the medium to be filtered. The inlet opens into the filter chamber at a level that is traversed by the at least one filter cartridge. Viewed in the transverse direction of the filter cartridge and at the level of the inlet, the shortest distance from the filter cartridge to the side wall is greater than the shortest distance from the filter cartridge to the side wall viewed in the transverse direction of the filter cartridge and below or above the inlet. The invention furthermore relates to a filter cartridge intended for an assembly according to the invention.

IPC 1-7
B01D 29/11; **B01D 29/54**; **B01D 29/90**

IPC 8 full level
B01D 29/15 (2006.01); **B01D 46/00** (2006.01); **B01D 46/24** (2006.01)

CPC (source: EP US)
B01D 29/15 (2013.01 - EP US); **B01D 29/52** (2013.01 - EP US); **B01D 29/902** (2013.01 - EP US); **B01D 46/0005** (2013.01 - EP US); **B01D 46/2411** (2013.01 - EP US); **B01D 46/58** (2022.01 - EP US); **B01D 2201/0438** (2013.01 - EP US); **B01D 2201/188** (2013.01 - EP US)

Citation (search report)
See references of WO 2004050212A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004050212 A1 20040617; AU 2003275732 A1 20040623; CA 2502678 A1 20040617; CA 2502678 C 20130129; CN 1331553 C 20070815; CN 1705500 A 20051207; EP 1554027 A1 20050720; EP 1554027 B1 20121226; JP 2006503705 A 20060202; JP 4331114 B2 20090916; NL 1021728 C2 20040426; US 2006006110 A1 20060112; US 7445711 B2 20081104

DOCDB simple family (application)
NL 0300717 W 20031023; AU 2003275732 A 20031023; CA 2502678 A 20031023; CN 200380101893 A 20031023; EP 03759075 A 20031023; JP 2004556978 A 20031023; NL 1021728 A 20021023; US 53241005 A 20050422